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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION of

Wayne F. PIERZGA et al.)	
)	
Divisional Patent Application of)	Prior Group: 2663
Serial No.: 08/860,243)	
)	Examiner: TBA
Filed: November 28, 2001)	
)	Atty Dkt: 02918.00010
For: MULTIPLEX)	
COMMUNICATION)	



INFORMATION DISCLOSURE STATEMENT AND
NOTICE OF RELATED APPLICATIONS

Director for Patents
Washington, D.C. 20231

Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56 and 1.97-1.98, the documents listed on the attached Form PTO-1449 are being brought to the attention of the Examiner in charge of the above-identified application. No copies of the cited art are enclosed, as copies were provided and cited in the parent application by Applicants or the Examiner in charge of the parent application.

The Examiner is respectfully requested to initial the space adjacent each document entry on the Forms PTO-1449, and to return a copy of the initialed Forms PTO-1449 to confirm that the documents have been considered and have been officially made of record in this application.

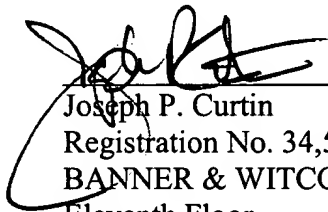
Applicants also wish to bring to the Examiner's attention the fact that the above referenced application is related by subject matter to Application Nos. 09/794,250 and 08/860,243.

If the Examiner has any questions or wishes to discuss this application, the Examiner is invited to telephone the undersigned representative at the number set forth below.

Any fees required for consideration of this paper are authorized to be charged to our Deposit Account No. 19-0733.

Respectfully submitted,

November 28, 2001



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PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	ATTY. DOCKET NO. 002918.00010	APPLICATION NUMBER TO BE ASSIGNED
	APPLICANTS Wayne F. Pierzga et al.	
	FILING DATE November 28, 2001	GROUP ART UNIT TO BE ASSIGNED

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	4,199,723	4/1980	Cummings et al.	---	---	
	4,679,227	7/1987	Hughes-Hartogs	---	---	
	4,730,344	3/1988	Saha	---	---	
	4,731,816	3/1988	Hughes-Hartogs	---	---	
	4,757,495	7/1988	Decker et al.	---	---	
	4,833,706	5/1989	Hughes-Hartogs	---	---	
	4,881,241	11/1989	Pommier et al.	---	---	
	4,881,245	11/1989	Walker et al.	---	---	
	4,884,139	11/1989	Pommier	---	---	
	5,054,034	10/1991	Hughes-Hartogs	---	---	
	5,105,162	4/1992	Fleissner et al.	---	---	
	5,191,576	3/1993	Pommier et al.	---	---	
	5,197,061	3/1993	Halbert-Lassalle et al.	---	---	
	5,228,025	7/1993	Le Floch et al.	---	---	
	5,274,629	12/1993	Helard et al.	---	---	
	5,307,376	4/1994	Castelain et al.	---	---	
	5,394,392	2/1995	Scott	---	---	
	5,406,551	4/1995	Saito et al.	---	---	

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 09/994629
 11/26/01

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	0 373 277	6/1990	Europe			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation if reference was considered. Draw line through citation if not in conformance to MPEP 609 and not considered. Include copy of this form with next communication to applicant.	

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	5,576,659	11/1996	Kenington et al.	---	---	
	5,841,813	11/1998	Van Nee	---	---	
	5,889,759	4/1980	McGibney	---	---	

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO	
	0 588 741 A1	3/1994	Europe				
	0 441 732 A1	8/1991	Europe				
	WO 91/20140	5/1991	PCT				
	WO 93/09619	5/1993	PCT				
	WO 95/05042	2/1995	PCT				
	WO 95/07581	3/1995	PCT				
	WO 94/11961	5/1994	PCT				
	WO 91/09478	6/1991	PCT				
	WO 86/07223	12/1986	PCT				
	2 291 314 A	7/1995	Great Britain				
	2 270 819 A	9/1993	Great Britain				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	J. Pennington, "Techniques For Medium-Speed Data Transmission Over HF Channels, IEEE Proceedings, Vol. 136, Pt. 1, No. 1, February, 1989.
	J. H. Lodge et al., "Time Diversity For Mobile Satellite Channels Using Trellis Coded Modulations," Ch 2520, IEEE, Pgs. 303-307, 1987.
	M.L. Moher et al., "A Time Diversity Modulation Strategy For The Satellite-Mobile Channel," 1994.
	Robert W. Chang, "Synthesis of Band-Limited Orthogonal Signals for Multichannel Data Transmission," The Bell System Technical Journal, pgs. 1775-1796, December 1966.
	Mark S. Zimmerman et al., "The AN/GSC-10 (KATHRYN) Variable Rate Data Modem for HF Radio," IEEE Transactions On Communication Technology, Vol. COM-15, No. 2, pgs. 197-204, April 1967.

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	B. Hirosaki et al., "A 19.2 Kbps Voiceband Data Modem Based on Orthogonally Multiplexed QAM Techniques," IEEE, pgs. 661-665, 1985,
	M. Alard et al., "A New System Of Sound Broadcasting To Mobile Receivers, pgs. 416-420, IEEE, 1988.
	D. Pommier et al., "Interleaving Or Spectrum-Spreading In Digital Radio Intended For Vehicles", EBU Review Technical, pgs 128-142, No. 217, June 1986.
	A.E. Jones et al., "Block Coding Scheme For Reduction of Peak To Mean Envelope Power Ratio of Multicarrier Transmission Schemes," Electronics Letters, Vol. 30, No. 25, pgs. 2098-2099, December 1994.
	D.J.G. Mestdagh et al., "Effect of Amplitude Clipping In DMT-ADSL Transceivers, Electronics Letters, Vol. 29, No. 15, pgs. 1354-1355, July 1993.
	David L. Cohen et al., "Performance of Selected Block And Convolutional Codes On A Fading HF Channel," IEEE Transactions On Information Theory, Vol. IT-24, No. 5, pgs. 627-640, September 1968.
	David Chase, "A Combined Coding And Modulation Approach For Communication Over Dispersive Channels, IEEE Transactions On Communications, Vol. COM-21, No. 3, pgs. 159-174, March 1973.
	Kenneth Brayer et al., "Evaluation Of Error Correction Block Encoding For High-Speed HF Data, IEEE Transactions On Communications Technology, Vol. COM-15, No. 3, pgs. 371-382, June 1967.

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